

**Chi-square test and Fisher's exact test**

**The FREQ Procedure**

Frequency Expected Percent Row Pct Col Pct	Table of RACE by LOW			
	RACE	LOW		
		0	1	Total
1	73	23	96	
	66.032	29.968		
	38.62	12.17	50.79	
	76.04	23.96		
	56.15	38.98		
2	15	11	26	
	17.884	8.1164		
	7.94	5.82	13.76	
	57.69	42.31		
	11.54	18.64		
3	42	25	67	
	46.085	20.915		
	22.22	13.23	35.45	
	62.69	37.31		
	32.31	42.37		
Total	130	59	189	
	68.78	31.22	100.00	

**Statistics for Table of RACE by LOW**

Statistic	DF	Value	Prob
Chi-Square	2	5.0048	0.0819
Likelihood Ratio Chi-Square	2	5.0104	0.0817
Mantel-Haenszel Chi-Square	1	3.5695	0.0588
Phi Coefficient		0.1627	
Contingency Coefficient		0.1606	
Cramer's V		0.1627	

Fisher's Exact Test	
Table Probability (P)	0.0020
Pr <= P	0.0789

**Sample Size = 189**

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Frequency Expected Percent Row Pct Col Pct	Table of SMOKE by LOW		
	SMOKE	LOW	
		0	1
<b>0</b>	86 79.101 45.50 74.78 66.15	29 35.899 15.34 25.22 49.15	115  60.85
<b>1</b>	44 50.899 23.28 59.46 33.85	30 23.101 15.87 40.54 50.85	74  39.15
<b>Total</b>	130 68.78	59 31.22	189 100.00

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### *The FREQ Procedure*

#### *Statistics for Table of SMOKE by LOW*

Statistic	DF	Value	Prob
Chi-Square	1	4.9237	0.0265
Likelihood Ratio Chi-Square	1	4.8674	0.0274
Continuity Adj. Chi-Square	1	4.2359	0.0396
Mantel-Haenszel Chi-Square	1	4.8977	0.0269
Phi Coefficient		0.1614	
Contingency Coefficient		0.1593	
Cramer's V		0.1614	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	86
Left-sided Pr $\leq$ F	0.9911
Right-sided Pr $\geq$ F	0.0202
Table Probability (P)	0.0113
Two-sided Pr $\leq$ P	0.0362

*Sample Size = 189*

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Frequency Expected Percent Row Pct Col Pct	Table of PTL by LOW		
	PTL	LOW	
		0	1
0	118	41	159
	109.37	49.635	
	62.43	21.69	84.13
	74.21	25.79	
	90.77	69.49	
1	8	16	24
	16.508	7.4921	
	4.23	8.47	12.70
	33.33	66.67	
	6.15	27.12	
2	3	2	5
	3.4392	1.5608	
	1.59	1.06	2.65
	60.00	40.00	
	2.31	3.39	
3	1	0	1
	0.6878	0.3122	
	0.53	0.00	0.53
	100.00	0.00	
	0.77	0.00	
<b>Total</b>	130	59	189
	68.78	31.22	100.00

*Statistics for Table of PTL by LOW*

Statistic	DF	Value	Prob
Chi-Square	3	16.8639	0.0008
Likelihood Ratio Chi-Square	3	15.8721	0.0012
Mantel-Haenszel Chi-Square	1	7.2286	0.0072
Phi Coefficient		0.2987	
Contingency Coefficient		0.2862	
Cramer's V		0.2987	
WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

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**Statistics for Table of PTL by LOW**

Fisher's Exact Test	
Table Probability (P)	2.434E-05
Pr <= P	3.106E-04

**Sample Size = 189**

Frequency Expected Percent Row Pct Col Pct	Table of HT by LOW		
	HT	LOW	
		0	1
<b>0</b>	125	52	177
	121.75	55.254	
	66.14	27.51	93.65
	70.62	29.38	
	96.15	88.14	
<b>1</b>	5	7	12
	8.254	3.746	
	2.65	3.70	6.35
	41.67	58.33	
	3.85	11.86	
<b>Total</b>	130	59	189
	68.78	31.22	100.00

**Chi-square test and Fisher's exact test**

**The FREQ Procedure**

**Statistics for Table of HT by LOW**

Statistic	DF	Value	Prob
Chi-Square	1	4.3880	0.0362
Likelihood Ratio Chi-Square	1	4.0221	0.0449
Continuity Adj. Chi-Square	1	3.1431	0.0763
Mantel-Haenszel Chi-Square	1	4.3647	0.0367
Phi Coefficient		0.1524	
Contingency Coefficient		0.1506	
Cramer's V		0.1524	
WARNING: 25% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Fisher's Exact Test	
Cell (1,1) Frequency (F)	125
Left-sided Pr <= F	0.9900
Right-sided Pr >= F	0.0421
Table Probability (P)	0.0322
Two-sided Pr <= P	0.0516

**Sample Size = 189**

Frequency Expected Percent Row Pct Col Pct	Table of UI by LOW		
	UI	LOW	
		0	1
<b>0</b>	116	45	161
	110.74	50.259	
	61.38	23.81	85.19
	72.05	27.95	
	89.23	76.27	
<b>1</b>	14	14	28
	19.259	8.7407	
	7.41	7.41	14.81
	50.00	50.00	
	10.77	23.73	
<b>Total</b>	130	59	189
	68.78	31.22	100.00

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## *The FREQ Procedure*

### *Statistics for Table of UI by LOW*

<b>Statistic</b>	<b>DF</b>	<b>Value</b>	<b>Prob</b>
<b>Chi-Square</b>	1	5.4008	0.0201
<b>Likelihood Ratio Chi-Square</b>	1	5.0761	0.0243
<b>Continuity Adj. Chi-Square</b>	1	4.4227	0.0355
<b>Mantel-Haenszel Chi-Square</b>	1	5.3722	0.0205
<b>Phi Coefficient</b>		0.1690	
<b>Contingency Coefficient</b>		0.1667	
<b>Cramer's V</b>		0.1690	

<b>Fisher's Exact Test</b>	
<b>Cell (1,1) Frequency (F)</b>	116
<b>Left-sided Pr &lt;= F</b>	0.9934
<b>Right-sided Pr &gt;= F</b>	0.0198
<b>Table Probability (P)</b>	0.0132
<b>Two-sided Pr &lt;= P</b>	0.0269

*Sample Size = 189*